

Application No. 10/600,518
Amendment dated January 16, 2007
Response to Office Action of October 16, 2007

Atty. Docket No. 42P15475
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TC/A.U. 2621

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method comprising:
selecting a base frame from a group of frames of a digital video data stream,
wherein at least one frame in the group of frames is encoded with an encoding technique utilizing bi-directional encoding;
decompressing the selected base frame prior to decompressing other frames of the group of frames; and
providing the decompressed base frame to a display device for display prior to decompressing the other frames of the group of frames.
2. (Original) The method of claim 1, wherein selecting the base frame comprises selecting the base frame as a result of receiving an indication to switch to a channel carrying the compressed digital video data stream.
3. (Original) The method of claim 1, wherein selecting the base frame comprises selecting the base frame as a result of powering up.
4. (Original) The method of claim 1, wherein the base frame comprises one from a group comprising a Motion Picture Experts Group (MPEG) intra-frame (I-frame),

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a Motion Joint Photographic Experts Group (M-JPEG) base frame, a digital satellite standard base frame and a reference frame.

5. (Previously Presented) A method comprising:

- decompressing a first digital video data stream on a first channel;
- selecting a base frame from a group of frames of a second digital video data stream on a second channel;
- decompressing the base frame from the second digital video data stream;
- buffering the decompressed base frame;
- receiving an indication to switch from the first channel to the second channel; and
- providing, as a result of the indication to switch to the second channel, the decompressed base frame to a display device for display prior to decompressing other frames of the group of frames.

6. (Original) The method of claim 5, wherein selecting the base frame comprises selecting the base frame based, at least in part, on determining that the base frame is from a television program.

7. (Original) The method of claim 5, further comprising buffering a most recent base frame in the compressed second digital video data stream, to update the decompressed base frame provided for display.

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8. (Original) The method of claim 5, further comprising dynamically selecting the second channel.
9. (Original) The method of claim 8, wherein the second channel is dynamically selected based, at least in part, on the first channel.
10. (Original) The method of claim 9, wherein the second channel comprises a channel adjacent to the first channel.
11. (Original) The method of claim 8, wherein the second channel is dynamically selected based, at least in part, on a frequency of display of a digital video data stream on the second channel.
12. (Original) The method of claim 5, wherein the second channel comprises a channel preset based, at least in part, on the first channel.
13. (Original) The method of claim 12, wherein the second channel comprises a channel adjacent to the first channel.
14. (Previously Presented) A method comprising:
decompressing a first digital video data stream on a first channel;

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selecting a first base frame from a group of frames of a second digital video data stream on a buffered channel;

decompressing the selected base frame prior to decompressing other frames of the group of frames of the second digital video data stream;

buffering the decompressed first base frame;

receiving an indication to switch from the first channel to a second channel;

determining whether the indication is to switch to the buffered channel;

if the indication is to switch to the buffered channel:

providing the decompressed first base frame to a display device for display prior to decompressing other frames of the group of frames, and

decompressing the second digital video data stream on the buffered channel; and

if the indication is to switch to a channel other than the buffered channel:

decompressing a second base frame from a group of frames of a third digital video data stream on the second channel, and

providing to the display device a decompressed second base frame for display prior to decompressing other frames from the group of frames of the third digital video data stream.

15. (Original) The method of claim 14, further comprising dynamically selecting the buffered channel.

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16. (Original) The method of claim 14, wherein the buffered channel comprises a preset channel.

17. (Previously Presented) An apparatus comprising:
a tuner selection unit to receive an indication to switch from a first channel to a second channel;
a first tuner, coupled with the tuner selection unit, to decompress a first digital video data stream on a first channel; and
a second tuner, coupled with the tuner selection unit, to decompress a base frame from a group of frames of a second digital video data stream on the second channel, buffer the decompressed base frame, and provide, as a result of the indication to switch to the second channel, the decompressed base frame to a display device for display prior to decompressing other frames of the group of frames.

18. (Original) The apparatus of claim 17, wherein the tuner selection unit further determines whether the indication is to switch to the second channel, chooses the first tuner if the indication is to switch to a channel other than the second channel, and chooses the second tuner if the indication is to switch to the second channel.

19. (Original) The apparatus of claim 17, further comprising a predictor, coupled with the second tuner, to dynamically select the buffered channel.

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20. (Original) The apparatus of claim 17, wherein the base frame comprises one from a group comprising a Motion Picture Experts Group (MPEG) intra-frame (I-frame), a Motion Joint Photographic Experts Group (M-JPEG) base frame, a digital satellite standard base frame, and a reference frame.

21. (Currently Amended) A system comprising:
a digital video receiver to select a base frame from a group of frames of a digital video data stream, wherein at least one frame in the group of frames is encoded with an encoding technique utilizing bi-directional encoding, decompress the selected base frame prior to decompressing other frames from the group of frames, and provide the decompressed base frame to a display device for display prior to decompressing other frames from the group of frames; and
the display device, coupled with the digital video receiver, to display the decompressed base frame and the decompressed digital video data stream.

22. (Original) The system of claim 21, wherein the digital video receiver comprises a computer system.

23. (Original) The system of claim 22, wherein the display device comprises a computer monitor.

24. (Previously Presented) A system comprising:

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a digital video receiver to select a compressed base frame from a group of frames of a compressed digital video data stream on a buffered channel, decompress the selected base frame prior to decompressing other frames from the group of frames, buffer the decompressed base frame and, if receiving an indication to switch to the buffered channel, provide the decompressed base frame to a display device, for display prior to decompressing other frames from the group of frames; and

the display device, coupled with the digital video receiver, to display the decompressed base frame and the decompressed digital video data stream.

25. (Original) The system of claim 24, wherein the digital video receiver comprises a computer system.

26. (Original) The system of claim 25, wherein the display device comprises a computer display screen.

27. (Currently Amended) An article of manufacture comprising:
a machine-accessible medium including thereon sequences of instructions that, when executed, cause an electronic system to:
select a base frame from a group of frames of a digital video data stream, wherein at least one frame in the group of frames is encoded with an encoding technique utilizing bi-directional encoding;

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decompress the selected base frame prior to decompressing other frames of the group of frames; and

provide the decompressed base frame to a display device for display prior to decompressing the other frames of the group of frames.

28. (Original) The article of manufacture of claim 27, wherein the sequences of instructions that, when executed, cause the electronic system to select the base frame comprise sequences of instructions that, when executed, cause the electronic system to select the base frame as a result of receiving an indication to switch to a channel carrying the compressed digital video data stream

29. (Original) The article of manufacture of claim 27, wherein the sequences of instructions that, when executed, cause the electronic system to select the base frame comprise sequences of instructions that, when executed, cause the electronic system to select the base frame from one of a group comprising a Motion Picture Experts Group (MPEG) intra-frame (I-frame), a Motion Joint Photographic Experts Group (M-JPEG) base frame, a digital satellite standard base frame and a reference frame.

30. (Previously Presented) An article of manufacture comprising:
a machine-accessible medium including thereon sequences of instructions that, when executed, cause an electronic system to:
decompress a first digital video data stream on a first channel;

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select a base frame from a group of frames of a second digital video data stream on a second channel;

decompress the base frame from the second digital video data stream;

buffer the decompressed base frame;

receive an indication to switch from the first channel to the second channel; and

provide, as a result of the indication to switch to the second channel, the decompressed base frame to a display device for display prior to decompressing other frames of the group of frames.

31. (Original) The article of manufacture of claim 30, wherein the machine-accessible medium further comprises sequences of instructions that, when executed, cause the electronic system to dynamically select the second channel.

32. (Original) The article of manufacture of claim 30, wherein the sequences of instructions that, when executed, cause the electronic system to select the base frame comprise sequences of instructions that, when executed, cause the electronic system to select one from a group comprising a Motion Picture Experts Group (MPEG) intra-frame (I-frame), a Motion Joint Photographic Experts Group (M-JPEG) base frame, a digital satellite standard base frame and a reference frame.